Performance Data Sheet

HGA5494BXD

General Information

Model	HGA5494BXD	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	5390			
	Watts (Power)				
	Amps	3.11			
	Lb/h	73.7			
-23.3	Btu/h	5530	5890		
	Watts (Power)				
	Amps	3.11	2.94		
	Lb/h	75.8	80.6		
-20	Btu/h	5850	5840		
	Watts (Power)				
	Amps	3.12	3.01		
	Lb/h	80.1	80.0		
-15	Btu/h	6410	5980	6230	
	Watts (Power)	180	255	340	
	Amps	3.14	3.13	3.58	
	Lb/h	87.8	81.8	85.3	
-10	Btu/h	7100	6390	6190	6570
	Watts (Power)	454	540	635	756
	Amps	3.15	3.24	3.77	4.36
	Lb/h	97.3	87.5	84.7	89.9
-6.7	Btu/h	7640	6830	6400	6440
	Watts (Power)	560	656	759	888
	Amps	3.14	3.30	3.89	4.52
	Lb/h	105	93.6	87.7	88.2
-5	Btu/h	7950	7110	6600	6480
	Watts (Power)	596	697	805	938
	Amps	3.13	3.33	3.95	4.60
	Lb/h	109	97.4	90.4	88.8
0	Btu/h	8980	8170	7490	7030
	Watts (Power)	642	759	882	1030
	Amps	3.08	3.38	4.09	4.81
	Lb/h	123	112	103	96.3

5	Btu/h	10200	9580	8890	8240
	Watts (Power)	626	762	903	1070
	Amps	2.97	3.39	4.18	4.97
	Lb/h	140	131	122	113
7.2	Btu/h	10800	10300	9680	8990
	Watts (Power)	609	753	903	1070
	Amps	2.90	3.37	4.20	5.03
	Lb/h	148	141	133	123
10	Btu/h	11700	11400	10800	10100
	Watts (Power)	584	740	901	1080
	Amps	2.79	3.32	4.21	5.08
	Lb/h	160	156	148	139
15	Btu/h	13400	13600	13300	12800
	Watts (Power)	549	728	911	1120
	Amps	2.54	3.18	4.17	5.11
	Lb/h	184	186	183	175

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.144902E+04	1.485628E+02	8.357934E+00	1.568254E+02
C2	-5.578675E+01	-9.748167E+00	-1.065118E-01	-7.637950E-01
C3	-6.723531E+01	2.360980E+01	-4.069359E-01	-9.203331E-01
C4	-4.837119E+00	-1.372568E+00	-1.242046E-03	-6.632186E-02
C5	1.492452E+01	4.168670E-01	3.645591E-03	2.044381E-01
C6	-9.013048E-01	-3.283619E-01	9.597272E-03	-1.236156E-02
C7	3.632502E-02	4.620434E-02	-1.946968E-05	4.992750E-04
C8	3.009973E-01	4.604102E-03	5.977644E-06	4.123765E-03
C9	-1.846046E-01	-9.753143E-04	-2.071582E-05	-2.528783E-03
C10	1.324557E-02	2.993434E-03	-6.334252E-05	1.815488E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature